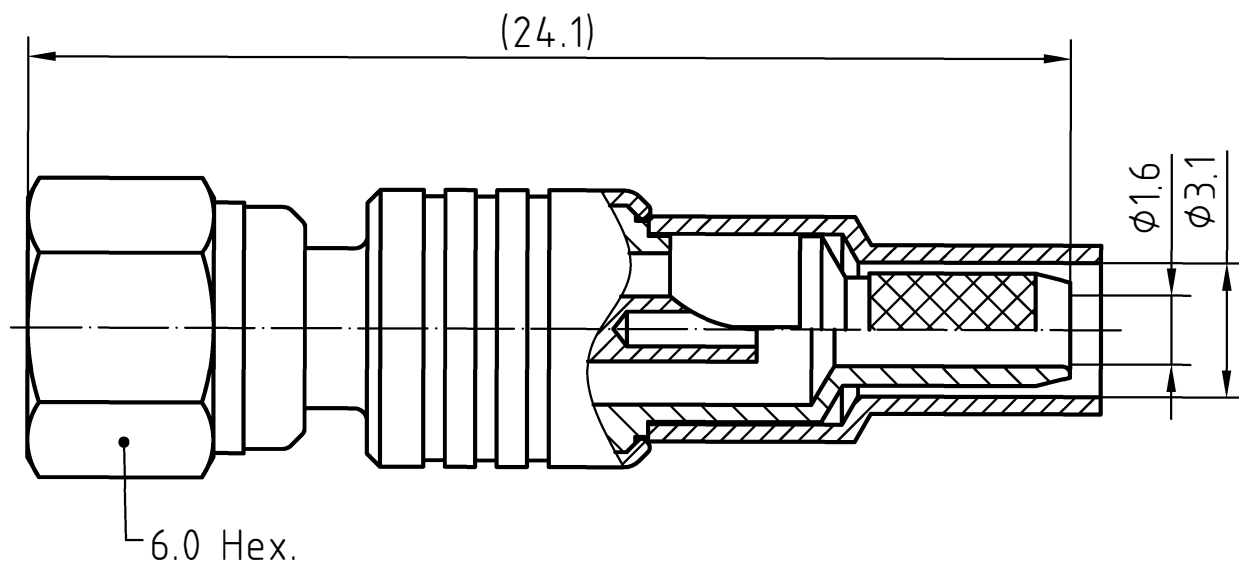
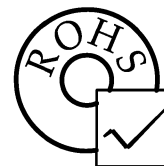
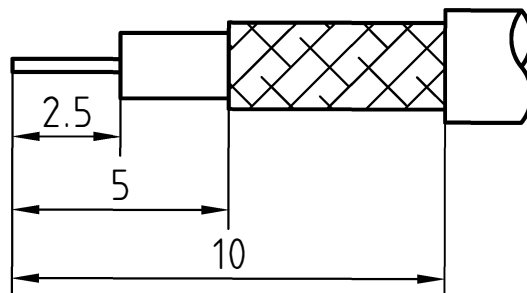


DRAWING



CABLE(RG174A/U,RG188A/U,RG316/U)



3	1	Body	Brass/Gold plated			
2	1	Insulator	PTFE			
1	1	Center contact	Beryllium copper/Gold plated			
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference		
Designed by Xio Xang		Checked by Jing Lo	Approved by Jing Chan	File name SMC- 112100A	Date 17.06.21	Scale 1 : 1
<div><div>RF</div><div>CONNEC</div></div>				S M C - 112100A		
				Edi tion 1.0	Sh ee t 1/1	

CHARACTERISTICS

DESCRIPTION:

SMC Type female connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 6.0 GHz</i>
<i>Return loss:</i>	<i>≥28dB, DC-1GHz</i> <i>≥22dB, 1-3GHz</i> <i>≥17dB, 3-6GHz</i>
<i>Insertion loss:</i>	<i>≤0.1 X $\sqrt{f[\text{GHz}]}$ dB</i>
<i>Insulation resistance:</i>	<i>≥1000MΩ</i>
<i>Test voltage:</i>	<i>750 V rms</i>
<i>Working voltage:</i>	<i>250 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>5.0 mΩ</i>
2). Outer conductor:	<i>2.5 mΩ</i>
<i>RF-leakage:</i>	<i>≥90 dB up to 1 GHz</i>

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +155 ° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	<i>≥500</i>
<i>Center contact captivation:</i>	<i>≥150 N</i>
<i>Coupling test torque:</i>	<i>≤0.71 Nm</i>
<i>Recommended torque:</i>	<i>0.25 Nm to 0.35 Nm</i>

Suitable cables:

RG174A/U, RG188A/U, RG316/U